

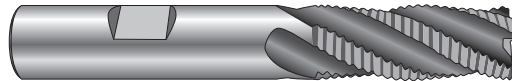
SOLID CARBIDE ROUGHING END MILLS

ICS USA

HEAVY DUTY

NON-CENTER CUTTING

WELDON SHANKS
3/8" TO 1" DIA.



RIGHT HAND CUT
RIGHT HAND HELIX

Type "N" for Nickel Alloys

Type "A" Solid Carbide Roughing End Mills are designed with a special tool geometry for maximum stock removal when milling aluminum, brass, and copper alloys. Corner radius design eliminates corner chipping.

SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	FLUTES	PRICE EACH		
					TiN COATED	TiCN COATED	TiAN COATED
					SCREMAT	SCREMATC	SCREMATA
1/4	1/4	3/4	2-1/2	3	93.94	99.48	101.60
5/16	5/16	3/4	2-1/2	3	106.76	115.26	115.26
3/8	3/8	7/8	2-1/2	3	122.12	131.08	135.26
1/2	1/2	1	3	4	167.54	177.60	193.08
5/8	5/8	1-1/4	3-1/2	4	239.10	257.44	264.66
3/4	3/4	1-5/8	4	4	305.76	323.86	331.30
1	1	1-3/4	4	5	485.38	511.26	516.02

WELDON SHANKS
3/8" TO 1" DIA.



RIGHT HAND CUT
RIGHT HAND HELIX

Type "A" for Aluminum Alloys

Type "N" Solid Carbide Roughing End Mills are designed with a special tool geometry for maximum stock removal when milling Titanium, Inconel, Rene, Waspaloy and high temperature nickel base alloys. Corner radius design eliminates corner chipping.

SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	FLUTES	PRICE EACH		
					TiN COATED	TiCN COATED	TiAN COATED
					SCREMN	SCREMN	SCREMN
1/4	1/4	3/4	2-1/2	3	93.94	99.48	101.60
5/16	5/16	3/4	2-1/2	3	106.76	115.26	115.26
3/8	3/8	7/8	2-1/2	3	122.12	131.08	135.26
1/2	1/2	1	3	4	167.54	177.60	193.08
5/8	5/8	1-1/4	3-1/2	4	239.10	257.44	264.66
3/4	3/4	1-5/8	4	4	305.76	323.86	331.30
1	1	1-3/4	4	5	485.38	511.26	516.02

WELDON SHANKS
3/8" TO 1" DIA.



RIGHT HAND CUT
RIGHT HAND HELIX

Type "S" for Steel Alloys

Type "S" Solid Carbide Roughing End Mills are designed with a special tool geometry for maximum stock removal when milling mild steel, steel alloys, stainless steel, and cast iron. Corner radius design eliminates corner chipping.

SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	FLUTES	PRICE EACH		
					TiN COATED	TiCN COATED	TiAN COATED
					SCREMS	SCREMS	SCREMS
1/4	1/4	3/4	2-1/2	3	93.94	99.48	101.60
5/16	5/16	3/4	2-1/2	3	106.76	115.26	115.26
3/8	3/8	7/8	2-1/2	3	122.12	131.08	135.26
1/2	1/2	1	3	4	167.54	177.60	193.08
5/8	5/8	1-1/4	3-1/2	4	239.10	257.44	264.66
3/4	3/4	1-5/8	4	4	305.76	323.86	331.30
1	1	1-3/4	4	5	485.38	511.26	516.02

TOLERANCES
Flute Dia.: + .000 - .004"
Shank Dia.: + .0001 - .0004"

CORNER RADIUS
1/4 to 5/16 = .045
3/8 to 1 = .060